

# Converting Colors

XYZ(55.0181, 60.2982, 47.7534)

Have a look what the booklet for  
XYZ(55.0181, 60.2982, 47.7534)  
contains.

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# Color

**XYZ(54.9713, 60.2430,  
47.7605)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CECEAC
RGB	206, 206, 172
RGB Percent	81%, 81%, 67%
CMY	0.1922, 0.1921, 0.3255
CMYK	0.00, 0.00, 0.17, 0.19
HSL	60°, 26%, 74%
HSV	60°, 17%, 81%
XYZ	54.9713, 60.2430, 47.7605
YIQ	202.1240, 10.9140, -10.5740

# Conversions

## Conversions Part 2

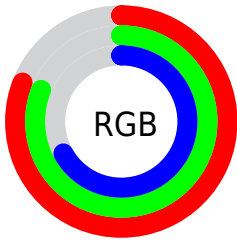
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 206, 172
Decimal	13553324
CIELab	81.97, -5.70, 16.95
CIELCh	82, 17.886, 108.587
Yxy	60.2430, 0.3373, 0.3696
Android (android.graphics.Color)	4291743404 (0xFFCECEAC)
YUV	202.1240, -14.8511, 3.3993
Hunter-Lab	77.6164, -9.4071, 17.8479

# Details

The XYZ color **54.9713, 60.2430, 47.7605** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.9087, 42.7336, 64.3827**, and the grayscale version is **56.3028, 59.2349, 64.5068**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **27.3809, 30.3918, 22.1924** is the 20% darker color. If you saturate the color by 10%, you get **53.1441, 59.5141, 38.1356**, and if you desaturate by 10%, it is **57.1084, 61.1000, 59.0033**.

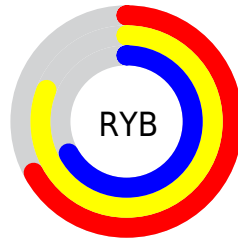
# Distribution



Red (81%)

Green (81%)

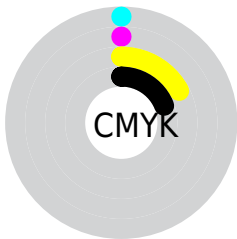
Blue (67%)



Red (67%)

Yellow (81%)

Blue (67%)

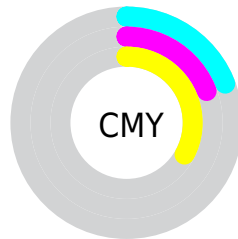


Cyan (0%)

Magenta (0%)

Yellow (17%)

Black (19%)



Cyan (19%)

Magenta (19%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9713, 60.2430, 47.7605 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 54.9713, 60.2430, 47.7605 by changing the saturation by 10% instead.



■ 54.9713, 60.2430,  
47.7605

■ 54.9713, 60.2430,  
47.7605

395.9413,  
425.4929, 394.3233

■ 39.6125, 43.6145,  
33.2786

■ 96.6475, 105.1821,  
88.2095

■ 27.4194, 30.3676,  
22.0671

123.6955,  
134.2615, 115.0138

■ 18.0267, 20.1178,  
13.7074

155.3708,  
168.2600, 146.7625

■ 11.0689, 12.4807,  
7.7810

192.0385,  
207.5620, 183.8744

■ 6.1809, 7.0719,  
3.8694

234.0640,  
252.5519, 226.7679

■ 2.9971, 3.5071,  
1.5540

281.8128,

■ 1.1522, 1.4019,

303.6141, 275.8615

0.2577

335.6501,  
361.1329, 331.5738

■ 0.0681, 0.2181,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.9713, 60.2430,  
47.7605

■ 54.9713, 60.2430,  
47.7605

■ 53.1441, 59.5141,  
38.1356

■ 57.1084, 61.1000,  
59.0033

■ 51.6080, 58.8995,  
30.0507

■ 59.5639, 62.0822,  
71.9295

■ 50.3494, 58.3960,  
23.4269

■ 62.3517, 63.1975,  
86.6059

■ 49.3517, 57.9968,  
18.1771

■ 65.4836, 64.4503,  
103.0941

■ 48.5966, 57.6947,  
14.2050

■ 65.5802, 64.4890,  
103.5989

■ 48.0634, 57.4813,  
11.4014

■ 65.5810, 64.4894,  
103.5990

■ 47.7281, 57.3471,  
9.6395

■ 65.5818, 64.4898,  
103.5990

■ 47.5595, 57.2796,  
8.7561

■ 65.5826, 64.4903,  
103.5990

■ 47.5198, 57.2637,  
8.5484

■ 65.5833, 64.4907,  
103.5991

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.7109, 60.2430, 47.2164



54.9713, 60.2430, 47.7605



51.9743, 60.2430, 52.7542

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



54.9713, 60.2430, 47.7605



52.5801, 60.2430, 82.4947



64.6910, 60.2430, 69.8045

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



54.9713, 60.2430, 47.7605



42.9087, 42.7336, 64.3827

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.8907, 60.2430, 80.3653



54.9713, 60.2430, 47.7605



55.8315, 60.2430, 88.2121

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



54.9713, 60.2430, 47.7605



50.6363, 60.2430, 72.4626



59.6096, 60.2430, 87.3925



64.4357, 60.2430, 59.1745



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.9713, 60.2430, 47.7605



50.7494, 60.2430, 58.2775



59.6096, 60.2430, 87.3925



64.3031, 60.2430, 73.4994

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



54.9729, 60.2457, 47.7618



93.0640, 99.2055, 98.4450



47.6545, 45.6069, 45.3219



19.8621, 21.2111, 20.7689



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.9729, 60.2457, 47.7618



87.8965, 97.1383, 71.2437



50.5063, 57.9430, 47.5528



12.1537, 13.0967, 11.9668



29.2596, 35.2592, 5.2636



1.5095, 1.8190, 0.2715



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.9087, 42.7336, 64.3827



64.5466, 63.2441, 103.4131



46.8812, 44.7815, 64.5686



10.6019, 10.8441, 14.1047



6.8603, 2.7442, 36.1244



0.3540, 0.1416, 1.8636



# Previews

## White Background



This preview shows how the XYZ color 54.9713, 60.2430, 47.7605 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

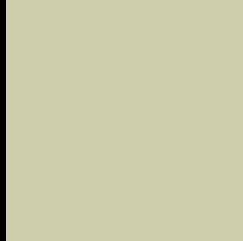
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.9713, 60.2430, 47.7605 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

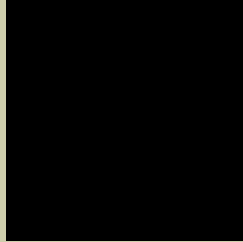
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

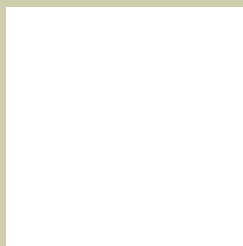
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.9713, 60.2430, 47.7605**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.9713, 60.2430, 47.7605.



This preview shows how white text looks on a background with the XYZ color 54.9713, 60.2430,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

54.9713, 60.2430, 47.7605

### Protanopia

56.7310, 60.0992, 47.1383

### Deuteranopia

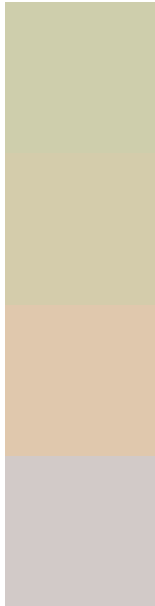
61.3116, 60.0283, 48.3995



## Tritanopia

60.2003, 60.2635, 73.4249

# Trichromacy



## Original Color

54.9713, 60.2430, 47.7605

## Protanomaly

56.0949, 60.1231, 47.1765

## Deuteranomaly

58.9376, 60.1730, 48.0434

## Tritanomaly

58.1242, 60.1128, 63.1830

# Monochromacy



## Original Color

54.9713, 60.2430, 47.7605

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

55.3885, 59.1700, 57.7919

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.9713, 60.2430, 47.7605 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(206, 206, 172)` looks like.

```
.text, #text, p{  
    color:rgb(206, 206, 172)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(206, 206, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 206, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 54.9713, 60.2430, 47.7605 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 206, 172) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(206, 206, 172) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(206, 206, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 206, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 206, 172);  
box-shadow:4px 4px 4px 4px rgb(206, 206,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.9713, 60.2430, 47.7605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 206, 172) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(206,  
206, 172) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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